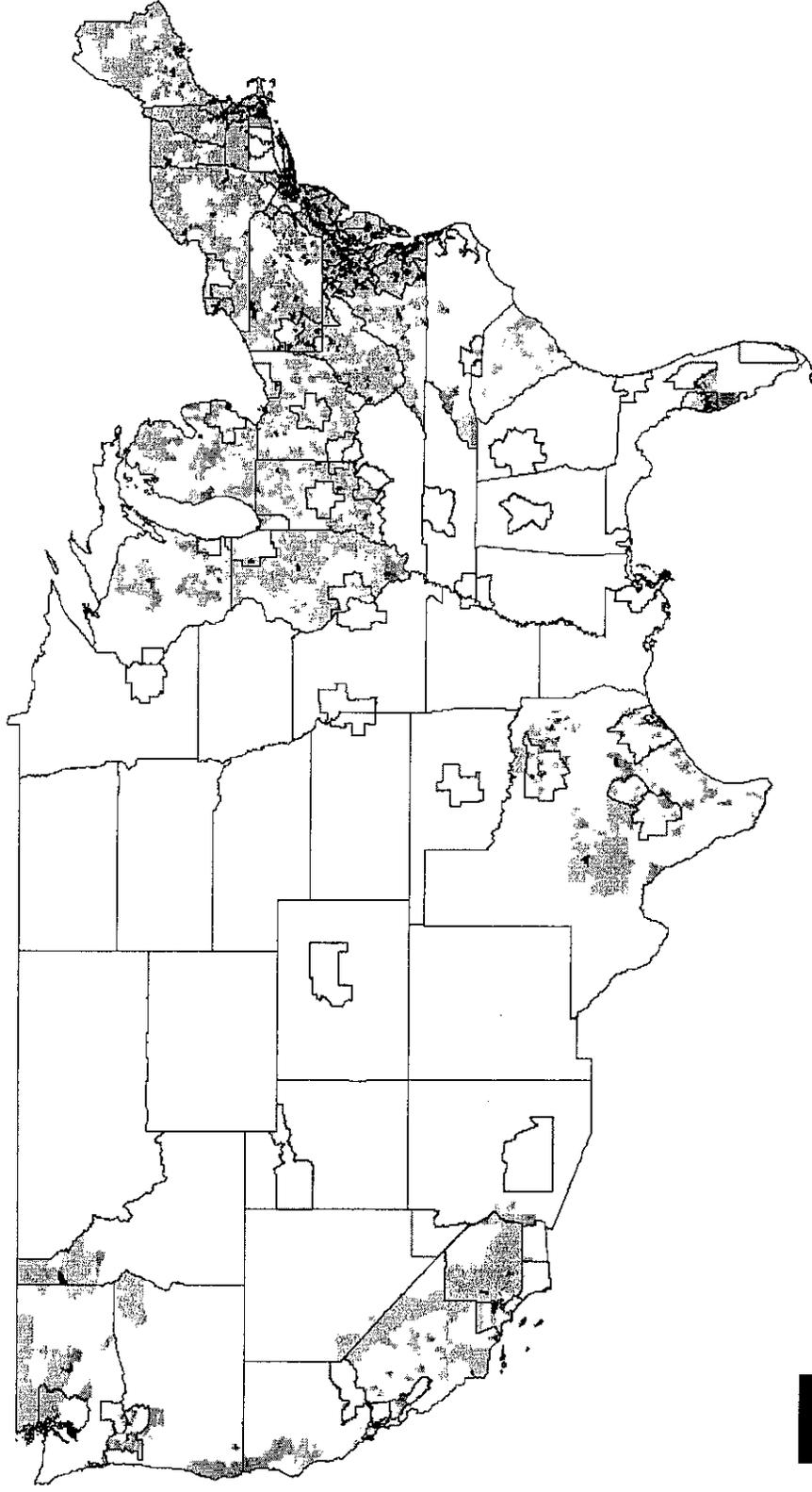**ATTACHMENT 5**

Verizon Wire Centers Generating 80% of Special Access Revenue

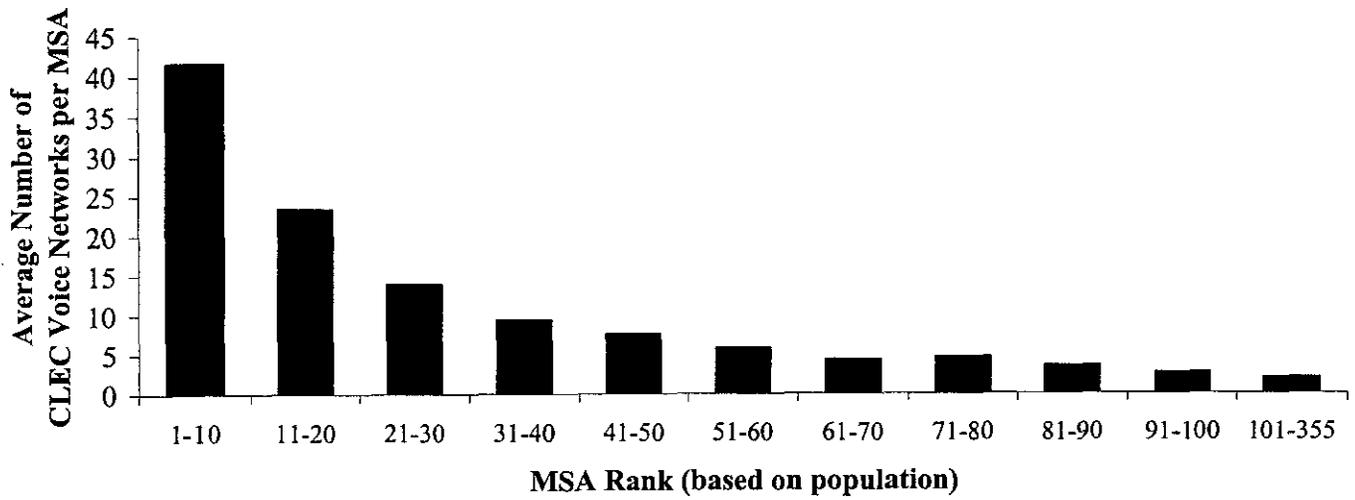Wire Centers Generating 80% of Special Access Revenue

Verizon Service Area

Top 50 MSA Boundaries

ATTACHMENT 6

CLEC Voice Networks by Size of MSA

Sources: *See* Source Appendix.

ATTACHMENT 7

Competitive Fiber Connects to All Major Traffic Aggregation Points

CLECs

Cablevision	"[M]ore than 50 hubs and presence in the [New York metro] areas' major carrier hotels."
Grande Comms.	"[M]ost Carrier POPs, major ILEC central offices, carrier hotels, central/suburban business centers, data centers, co-location facilities and CLECs."
ITC^DeltaCom	"[I]nterconnections with multiple CAPS in many of our transport POP locations."
KMC Telecom	"[I]nterconnects with major central offices and carrier points of presence (POPs)."
Level 3	"[M]etro fiber connects key traffic aggregation points."
XO	"[D]irect paths to all other major Network Service Providers."
Xspedius	"[O]ptimal connectivity of major Business Districts, Local Serving Offices, Carrier Hotels, and Interexchange Carrier Points-of-Presence (POP) sites."
Yipes	"Multiple peering points, through multiple interexchange carriers."

WHOLESALE FIBER PROVIDERS

AboveNet	"[D]irect access to carrier hotels, data centers and key commercial office buildings."
American Fiber Systems	"ILEC and CLEC central offices; ISP and ASP facilities; Interexchange 'carrier hotels;' Wireless providers and cable company head ends."
C2C Fiber	"[K]ey carrier access points . . . including major carrier locations and service provider POPs."
City Signal	"Central Offices, Carrier Hotels, Data Centers . . . central business districts and suburban office parks."
Fibertech	"[C]onnections to virtually all central offices, POPs and data centers."
LightCore	"[M]ajor bandwidth aggregation points such as serving wire centers, IXC POPs and neutral co-location facilities"
Looking Glass Networks	"[C]onnections to major data aggregation facilities . . . and access to IXC, ISP, ILEC and CLEC locations as well as Web hosting facilities and data centers."
NEESCom/ Gridcom	"Strategic routing past prime office buildings, industrial parks, IXC POPs"
NEON	"[K]ey central offices, tandems, and carrier hotels."
OnFiber	"[C]onnectivity to data centers, carrier hotels, and enterprise businesses."

UTILITIES

Con Edison Communications	"CEC's New York City metro area network . . . interconnects over 100 commercial buildings, all major carrier Points-of-Presence (POPs) and many of the Verizon Central Offices."
Progress Telecom	"High-speed data connectivity between data centers and carrier hotels."
PPL Telcom	"[N]umerous CO, Peering, and Carrier Hotel collocates."
Edison Carrier Solutions	"Connectivity to carrier points-of-presence, carrier hotels, data centers, tandems and end-offices."
FPL Fibernet	"[C]onnectivity to more central offices, carrier hotels and international cable-heads than any other fiber wholesaler in the state"
Lafayette Utilities System	"[D]irect connections to Tier 1 providers."
Southern Telecom	"[D]irect connectivity to major carrier hotels . . . . . direct access to the AT&T Super Node."
Marietta Fibernet	"[P]resence in several large data centers . . . fiber connections in several telecom hotels . . . [and] co-locat[ions] in several Bell South central offices."
AGL Networks	"Atlanta's large carrier hotels, IXCs and LSOs." "[A]ccessibility to the main COs, IXCs, and carrier hotels . . . of Phoenix and Tempe."

Sources: See Source Appendix.

ATTACHMENT 8

CLEC NETWORKS BY MSA

This attachment tabulates the number of CLEC networks in the 150 largest Metropolitan Statistical Areas (MSAs). It is based on the CLEC Report prepared by New Paradigm Resources Group (NPRG).

The data are from NPRG's latest report – the *CLEC Report 2004* – which describes CLEC networks as either "Operational," "On-Net," "Resale," or "Planned." We have tabulated only Operational and On-Net networks, both of which appear to involve the use of a CLEC's own facilities. CLECs operating On-Net networks are indicated in italics.

In some MSAs, the total number of Operational and On-Net networks exceeds the number of CLECs operating within those MSAs. This is due to the fact that, in some instances, individual CLECs operate multiple networks within the same MSA.

MSA	CLEC Networks – 2004
1. New York-Northern New Jersey-Long Island, NY-NJ-PA	Allegiance Telecom; AT&T; Broadview Networks; *Cablevision Lightpath*; *Comcast Business Communications*; *Conversent Communications*; Eagle Communications; *Focal Communications*; Global Crossing; IDT/Winstar Communications; MCI; *PaeTec*; Qwest Communications; *RCN*; *SBC Telecom*; Time Warner Telecom; *XO* **CLECs: 17** **Operational Networks: 56** **On-Net Networks: 27**
2. Los Angeles-Long Beach-Santa Ana, CA	Allegiance Telecom; AT&T; Cox Communications; Eagle Communications; *Focal Communications*; Global Crossing; *ICG Communications*; IDT/Winstar Communications; MCI; *Mpower Communications*; *Pac-West Telecomm*; *PaeTec*; Qwest Communications; *RCN*; Time Warner Telecom; US Telepacific; *XO* **CLECs: 17** **Operational Networks: 34** **On-Net Networks: 24**
3. Chicago-Naperville-Joliet, IL-IN-WI	Allegiance Telecom; AT&T; CoreComm; *Eagle Communications*; Focal Communications; Global Crossing; Globalcom; ICG Communications; IDT/Winstar Communications; MCI; *McLeodUSA*; Mpower Communications; PaeTec; Qwest Communications; *RCN*; Time Warner Telecom; Verizon; XO **CLECs: 18** **Operational Networks: 23** **On-Net Networks: 6**
4. Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	Allegiance Telecom; AT&T; Broadview Networks; Cablevision Lightpath; *Cavalier Telephone*; *Comcast Business Communications*; *CoreComm*; CTC Communications; Eagle Communications; *Focal Communications*; Global Crossing; IDT/Winstar Communications; MCI; *PaeTec*; Qwest Communications; *RCN*; SBC; US LEC; *XO* **CLECs: 19** **Operational Networks: 26** **On-Net Networks: 34**
5. Dallas-Fort Worth-Arlington, TX	Allegiance Telecom; AT&T; *Birch Telecom*; *Eagle Communications*; *Focal Communications*; Global Crossing; Grande Communications Network; ICG Communications; IDT/Winstar Communications; *ITC^DeltaCom*; Logix Communications; MCI; *Mpower Communications*; Qwest Communications; Time Warner Telecom; XO **CLECs: 16** **Operational Networks: 25** **On-Net Networks: 8**
6. Miami-Fort Lauderdale-Miami Beach, FL	Allegiance Telecom; AT&T; *Florida Digital Network*; *Eagle Communications*; *ITC^DeltaCom*; MCI; *Mpower Communications*; *US LEC*; NuVox Communications; *PaeTec*; SBC Telecom; XO **CLECs: 14** **Operational Networks: 24** **On-Net Networks: 12**
7. Washington-Arlington-Alexandria, DC-MD-VA-WV	Allegiance Telecom; *AT&T*; *Cavalier Telephone*; *Comcast Business Communications*; Cox Communications; *Focal Communications*; Global Crossing; ICG Communications; IDT/Winstar Communications; MCI; *PaeTec*; Qwest Communications; *RCN*; SBC Telecom; *US LEC*; XO **CLECs: 16** **Operational Networks: 18** **On-Net Networks: 29**
8. Houston-Baytown-Sugar Land, TX	Allegiance Telecom; AT&T; *Birch Telecom*; *Eagle Communications*; Focal Communications; Global Crossing; Grande Communications Network; ICG Communications; IDT/Winstar Communications; ITC^DeltaCom; Logix Communications; MCI; McLeodUSA; *Mpower Communications;* Qwest Communications; Time Warner Telecom; XO **CLECs: 17** **Operational Networks: 19** **On-Net Networks: 4**
9. Detroit-Warren-Livonia, MI	AT&T; Comcast Business Communications, IDT/Winstar Communications; MCI; *Mpower Communications*; Qwest Communications; XO **CLECs: 7** **Operational Networks: 14** **On-Net Networks: 1**

MSA	CLEC Networks – 2004
10. Boston-Cambridge-Quincy, MA-NH	Allegiance Telecom; AT&T; *BayRing Communications*; Broadview Networks; Choice One Communications; Conversent Communications; *CTC Communications*; Eagle *Communications*; Focal Communications; Global Crossing; Global NAPs; ICG Communications; IDT/Winstar Communications; MCI; PaeTec; Qwest Communications; *RCN*; *RNK Telecom*; SBC Telecom; XO **CLECs: 20** **Operational Networks: 22** **On-Net Networks: 43**
11. Atlanta-Sandy Springs-Marietta, GA	Allegiance Telecom; AT&T; *Birch Telecom*; Cox Communications; Eagle Communications; Global Crossing; Grande Communications Network; ICG Communications; IDT/Winstar Communications; *ITC^DeltaCom*; MCI; Mpower Communications; *NewSouth Communications*; NuVox Communications; *SBC Telecom*; Time Warner Telecom; US LEC; Verizon; *XO* **CLECs: 19** **Operational Networks: 21** **On-Net Networks: 9**
12. San Francisco-Oakland-Fremont, CA	Allegiance Telecom; AT&T; *Focal Communications*; Global Crossing; *ICG Communications*; IDT/Winstar Communications; MCI; *Mpower Communications*; *Pac-West Telecomm*; Qwest Communications; *RCN*; Time Warner Telecom; *US Telepacific*; *XO* **CLECs: 14** **Operational Networks: 21** **On-Net Networks: 13**
13. Riverside-San Bernardino-Ontario, CA	Allegiance Telecom; *AT&T*; *ICG Communications*; *Mpower*; *Pac-West Telecomm*; *Time Warner Telecom* **CLECs: 6** **Operational Networks: 4** **On-Net Networks: 8**
14. Phoenix-Mesa-Scottsdale, AZ	Allegiance Telecom; AT&T; Cox Communications; Eschelon Telecom; Global Crossing; IDT/Winstar Communications; MCI; *McLeodUSA*; Pac-West Telecomm; SBC Telecom; Time Warner Telecom; Verizon; XO **CLECs: 13** **Operational Networks: 13** **On-Net Networks: 2**
15. Seattle-Tacoma-Bellevue, WA	Allegiance Telecom; *AT&T*; *Eschelon Telecom*; Focal Communications; Global Crossing; ICG Communications; IDT/Winstar Communications; Integra Telecom; MCI; McLeodUSA; Pac-West Telecomm; SBC Telecom; Time Warner Telecom; XO **CLECs: 14** **Operational Networks: 17** **On-Net Networks: 2**
16. Minneapolis-St. Paul-Bloomington, MN-WI	Allegiance Telecom; *AT&T*; *Eschelon Telecom*; Focal Communications; Global Crossing; IDT/Winstar Communications; Integra Telecom; KMC Telecom; MCI; *McLeodUSA*; SBC Telecom; Time Warner Telecom; *XO* **CLECs: 13** **Operational Networks: 15** **On-Net Networks: 4**
17. San Diego-Carlsbad-San Marcos, CA	Allegiance Telecom; AT&T; Cox Communications; Global Crossing; *ICG Communications*; MCI; Mpower Communications; Pac-West Telecomm; Qwest Communications; *RCN*; Time Warner Telecom; US Telepacific; XO **CLECs: 13** **Operational Networks: 13** **On-Net Networks: 5**
18. St. Louis, MO-IL	AT&T; Allegiance Telecom; *Birch Telecom*; Global Crossing; IDT/Winstar Communications; MCI; McLeodUSA; NuVox Communications; Qwest Communications; XO **CLECs: 10** **Operational Networks: 13** **On-Net Networks: 1**

MSA	CLEC Networks – 2004
19. Baltimore-Towson, MD	Allegiance Telecom; AT&T; *Cavalier Telephone*; Comcast Business Communications; Focal Communications; Global Crossing; IDT/Winstar Communications; MCI; *PaeTec*; Qwest Communications; *RCN*; *SBC Telecom*; US LEC; XO **CLECs: 14** **Operational Networks: 11** **On-Net Networks: 5**
20. Pittsburgh, PA	Allegiance Telecom; AT&T; Choice One Communications; MCI; *PaeTec*; Qwest Communications; US LEC **CLECs: 7** **Operational Networks: 6** **On-Net Networks: 1**
21. Tampa-St. Petersburg-Clearwater, FL	Allegiance Telecom; AT&T; *Eagle Communications*; *Florida Digital Network*; Global Crossing; IDT/Winstar Communications; *ITC^DeltaCom*; KMC Telecom; MCI; Mpower Communications; *NewSouth Communications*; SBC Telecom; Time Warner Telecom; *US LEC*; XO **CLECs: 15** **Operational Networks: 14** **On-Net Networks: 8**
22. Denver-Aurora, CO	Allegiance Telecom; AT&T; Eschelon Telecom; Global Crossing; ICG Communications; IDT/Winstar Communications; MCI; McLeodUSA; *Pac-West Telecomm*; SBC Telecom; *Time Warner Telecom*; Verizon; XO **CLECs: 13** **Operational Networks: 19**
23. Cleveland-Elyria-Mentor, OH	Allegiance Telecom; AT&T; Cablevision Lightpath; CoreComm; Focal Communications; Global Crossing; ICG Communications; MCI; *Mpower Communications*; Qwest Communications; XO **CLECs: 11** **Operational Networks: 11** **On-Net Networks: 1**
24. Cincinnati-Middletown, OH-KY-IN	AT&T; Global Crossing; ICG Communications; IDT/Winstar Communications; MCI; NuVox Communications; Time Warner Telecom **CLECs: 7** **Operational Networks: 7**
25. Portland-Vancouver-Beaverton, OR-WA	*Allegiance Telecom; AT&T; Eschelon Telecom; Global Crossing; Integra Telecom*; MCI; McLeodUSA; RIO Communications; SBC Telecom; Time Warner Telecom; XO **CLECs: 11** **Operational Networks: 13** **On-Net Networks: 1**
26. Kansas City, MO-KS	*AT&T; Birch Telecom*; Everest Connections; Global Crossing; MCI; NuVox Communications; Qwest Communications **CLECs: 7** **Operational Networks: 10** **On-Net Networks: 3**
27. Sacramento-Arden-Arcade-Roseville, CA	Allegiance Telecom; AT&T; Global Crossing; ICG Communications; MCI; *Mpower Communications*; Pac-West Telecomm; Qwest Communications; Time Warner Telecom; *XO* **CLECs: 10** **Operational Networks: 12** **On-Net Networks: 2**
28. San Jose-Sunnyvale-Santa Clara, CA	Allegiance Telecom; AT&T; *Focal Communications*; Global Crossing; *ICG Communications*; *MCI*; Mpower Communications; Pac-West Telecomm; Qwest Communications; US Telepacific; *XO* **CLECs: 11** **Operational Networks: 11** **On-Net Networks: 10**
29. San Antonio, TX	Allegiance Telecom; AT&T; *Birch Telecom*; Grande Communications Network; ICG Communications; IDT/Winstar Communications; *ITC^DeltaCom*; Logix Communications; MCI; McLeodUSA; *Mpower Communications*; Qwest Communications; Time Warner Telecom; XO **CLECs: 14** **Operational Networks: 12** **On-Net Networks: 3**

MSA	CLEC Networks – 2004
30. Orlando, FL	AT&T; *Florida Digital Network*; Grande Communications Network; *ITC^DeltaCom*; MCI; *NewSouth Communications*; Orlando Telephone; PaeTec; SBC Telecom; Time Warner Telecom; US LEC Corp.; XO **CLECs: 12** **Operational Networks: 10** **On-Net Networks: 6**
31. Columbus, OH	Choice One Communications; Global Crossing; ICG Communications; ITC^DeltaCom; Knology Broadband; McLeodUSA; *Mpower Communications*; NuVox Communications; Time Warner Telecom; XO **CLECs: 10** **Operational Networks: 9** **On-Net Networks: 1**
32. Providence-New Bedford-Fall River, RI-MA	AT&T; Choice One Communications; Conversent Communications; *CTC Communications*; MCI; *PaeTec*; *RNK Telecom* **CLECs: 7** **Operational Networks: 5** **On-Net Networks: 3**
33. Virginia Beach-Norfolk-Newport News, VA-NC	*Cavalier Telephone*; Cox Communications; KMC Telecom; *SBC Telecom*; *US LEC* **CLECs: 5** **Operational Networks: 4** **On-Net Networks: 3**
34. Indianapolis, IN	AT&T; Choice One Communications; Global Crossing; IDT/Winstar Communications; MCI; McLeodUSA; NuVox Communications; Qwest Communications; Time Warner Telecom **CLECs: 9** **Operational Networks: 9**
35. Milwaukee-Waukesha-West Allis, WI	AT&T; Choice One Communications; Global Crossing; MCI; *McLeodUSA*; Time Warner Telecom **CLECs: 6** **Operational Networks: 6** **On-Net Networks: 1**
36. Las Vegas-Paradise, NV	*Eagle Communications*; Mpower Communications; Pac-West Telecomm; SBC Telecom; US Telepacific; XO **CLECs: 6** **Operational Networks: 5** **On-Net Networks: 1**
37. Charlotte-Gastonia-Concord, NC-SC	AT&T; *Birch Telecom*; *Eagle Communications*; Global Crossing; ICG Communications; *ITC^DeltaCom*; NewSouth Communications; NuVox Communications; SBC Telecom; Time Warner Telecom; US LEC; Verizon **CLECs: 12** **Operational Networks: 9** **On-Net Networks: 4**
38. New Orleans-Metairie-Kenner, LA	Cox Communications; *ITC^DeltaCom*; *McLeodUSA*; NewSouth Communications; US LEC; Xspedius **CLECs: 6** **Operational Networks: 4** **On-Net Networks: 2**
39. Nashville-Davidson-Murfreesboro, TN	AT&T; *Birch Telecom*; *Eagle Communications*; ICG Communications; ITC^DeltaCom; NewSouth Communications; NuVox Communications; SBC Telecom; US LEC; XO; *Xspedius* **CLECs: 11** **Operational Networks: 10** **On-Net Networks: 3**
40. Austin-Round Rock, TX	Allegiance Telecom; AT&T; *Birch Telecom*; Grande Communications; ICG Communications; *ITC^DeltaCom*; Logix Communications; MCI; McLeodUSA; *Mpower Communications*; Qwest Communications; Time Warner Telecom.; XO **CLECs: 13** **Operational Networks: 11** **On-Net Networks: 3**

MSA	CLEC Networks – 2004
41. Memphis, TN-AR-MS	*Birch Telecom*; *Eagle Communications*; ICG Communications; *ITC^DeltaCom*; MCI; *Mpower Communications*; *NewSouth Communications*; NuVox Communications; SBC Telecom; Time Warner Telecom; US LEC; XO; Xspedius **CLECs: 13** **Operational Networks: 8** **On-Net Networks: 5**
42. Buffalo-Cheektowaga-Tonawanda, NY	AT&T; Broadview Networks; Choice One Communications; *CTC Communications Group*; *Eagle Communications*; MCI; *SBC Telecom* **CLECs: 7** **Operational Networks: 4** **On-Net Networks: 3**
43. Louisville, KY-IN	AT&T; ICG Communications; NewSouth Communications; NuVox Communications; SBC Telecom; US LEC **CLECs: 6** **Operational Networks: 6**
44. Hartford-West Hartford-East Hartford, CT	AT&T; Choice One Communications; Conversent Communications; Cox Communications; MCI **CLECs: 5** **Operational Networks: 6**
45. Jacksonville, FL	AT&T; *Florida Digital Network*; *ITC^DeltaCom*; NewSouth Communications; NuVox Communications; US LEC **CLECs: 6** **Operational Networks: 6** **On-Net Networks: 3**
46. Richmond, VA	AT&T; Cavalier Telephone; Cox Communications; US LEC **CLECs: 4** **Operational Networks: 5**
47. Oklahoma City, OK	*Birch Telecom*; Cox Communications; Logix Communications; MCI; McLeodUSA; NuVox Communications **CLECs: 6** **Operational Networks: 5** **On-Net Networks: 1**
48. Birmingham-Hoover, AL	AT&T; *Birch Telecom*; ICG Communications; ITC^DeltaCom; NewSouth Communications; US LEC; *Xspedius* **CLECs: 7** **Operational Networks: 5** **On-Net Networks: 4**
49. Rochester, NY	AT&T; Choice One Communications; *Eagle Communications*; Global Crossing; PaeTec; Time Warner Telecom **CLECs: 6** **Operational Networks: 5** **On-Net Networks: 1**
50. Salt Lake City, UT	AT&T; Eschelon Telecom; ICG Communications; Integra Telecom; MCI; McLeodUSA; SBC Telecom; XO **CLECs: 8** **Operational Networks: 9**
51. Bridgeport-Stamford-Norwalk, CT	AT&T; *Cablevision Lightpath*; Choice One Communications; IDT/Winstar Communications; MCI; Paetec **CLECs: 5** **Operational Networks: 4** **On-Net Networks: 5**
52. Honolulu, HI	Time Warner Telecom **CLECs: 1** **Operational Networks: 1**
53. Tulsa, OK	*Birch Telecom*; Cox Communications; Logix Communications; MCI; *McLeodUSA*; NuVox Communications **CLECs: 6** **Operational Networks: 4** **On-Net Networks: 3**

MSA	CLEC Networks – 2004
54. Dayton, OH	*AT&T*; Choice One Communications; ICG Communications; KMC Telecom; NuVox Communications; Time Warner Telecom **CLECs: 5** **Operational Networks: 5** **On-Net Networks: 1**
55. Tucson, AZ	Cox Communications; MCI; *McLeodUSA*; Time Warner Telecom **CLECs: 4** **Operational Networks: 3** **On-Net Networks: 1**
56. Albany-Schenectady-Troy, NY	AT&T; Broadview Networks; *Choice One Communications*; PaeTec; Qwest Communications; Time Warner Telecom **CLECs: 6** **Operational Networks: 6** **On-Net Networks: 1**
57. New Haven-Milford, CT	*AT&T*; Choice One Communications; *Conversent Communications*; *PaeTec* **CLECs: 4** **Operational Networks: 3** **On-Net Networks: 3**
58. Fresno, CA	ICG Communications; MCI; Pac-West Telecomm; Time Warner Telecom **CLECs: 4** **Operational Networks: 3** **On-Net Networks: 1**
59. Raleigh-Cary, NC	AT&T; *Eagle Communications*; *ITC^DeltaCom*; *NewSouth Communications*; NuVox Communications; SBC Telecom; Time Warner Telecom; US LEC Corp.; Verizon **CLECs: 9** **Operational Networks: 7** **On-Net Networks: 4**
60. Omaha-Council Bluffs, NE	AT&T; Cox Communications; *McLeodUSA* **CLECs: 3** **Operational Networks: 3** **On-Net Networks: 1**
61. Oxnard-Thousand Oaks-Ventura, CA	*ICG Communications; Time Warner Telecom* **CLECs: 2** **On-Net Networks: 2**
62. Worcester, MA	AT&T; Choice One Communications; Lightship Telecom; *PaeTec* **CLECs: 4** **Operational Networks: 4** **On-Net Networks: 1**
63. Grand Rapids-Wyoming, MI	Choice One Communications; MCI **CLECs: 2** **Operational Networks: 2**
64. Allentown-Bethlehem-Easton, PA	Choice One Communications; *RCN*; *XO* **CLECs: 3** **Operational Networks: 1** **On-Net Networks: 3**
65. Albuquerque, NM	MCI; McLeodUSA; *NTS Communications*; Time Warner Telecom; XO **CLECs: 5** **Operational Networks: 4** **On-Net Networks: 1**

MSA	CLEC Networks – 2004
66. Baton Rouge, LA	Cox Communications; *ITC^DeltaCom*; KMC Telecom; *NewSouth Communications*; Xpedius **CLECs: 5** **Operational Networks: 3** **On-Net Networks: 2**
67. Akron, OH	Choice One Communications; Global Crossing; ICG Communications; KMC Telecom; NuVox Communications; *XO* **CLECs: 6** **Operational Networks: 5** **On-Net Networks: 1**
68. Springfield, MA	AT&T; Choice One Communications; *CTC Communications Group*; *Eagle Communications*; MCI; *RNK Telecom* **CLECs: 6** **Operational Networks: 3** **On-Net Networks: 5**
69. El Paso, TX	*Birch Telecom*; Grande Communications; *McLeodUSA* **CLECs: 3** **Operational Networks: 1** **On-Net Networks: 3**
70. Bakersfield, CA	AT&T; MCI; *Pac-West Telecomm*; Time Warner Telecom **CLECs: 4** **Operational Networks: 3** **On-Net Networks: 1**
71. Toledo, OH	*Buckeye TeleSystem*; ICG Communications; KMC Telecom; MCI **CLECs: 4** **Operational Networks: 4** **On-Net Networks: 1**
72. Syracuse, NY	AT&T; Broadview Networks; Choice One Communications; Eagle Communications **CLECs: 4** **Operational Networks: 1**
73. Columbia, SC	*Birch Telecom*; ITC^DeltaCom; KMC Telecom; *NewSouth Communications*; NuVox Communications; Time Warner Telecom **CLECs: 6** **Operational Networks: 5** **On-Net Networks: 2**
74. Greensboro-High Point, NC	AT&T; *Birch Telecom*; *Eagle Communications*; *ITC^DeltaCom*; KMC Telecom; NewSouth Communications; NuVox Communications; Time Warner Telecom; US LEC; Xspedius **CLECs: 10** **Operational Networks: 9** **On-Net Networks: 3**
75. Poughkeepsie-Newburgh-Middletown, NY-PA	Not Available
76. Knoxville, TN	AT&T; *Birch Telecom*; *Eagle Communications*; *ITC^DeltaCom*; MCI; *NewSouth Communications*; NuVox Communications; US LEC **CLECs: 8** **Operational Networks: 4** **On-Net Networks: 4**
77. Little Rock-North Little Rock, AR	*ITC^DeltaCom*; MCI; *McLeodUSA*; NuVox Communications **CLECs: 4** **Operational Networks: 2** **On-Net Networks: 2**
78. Youngstown-Warren-Boardman, OH	Choice One Communications **CLECs: 1** **Operational Networks Networks: 1**

MSA	CLEC Networks – 2004
79. Sarasota-Bradenton-Venice, FL	*ITC^DeltaCom*; KMC Telecom **CLECs: 2** **Operational Networks: 1** **On-Net Networks: 1**
80. Wichita, KS	Birch Telecom; NuVox Communications **CLECs: 2** **Operational Networks: 3**
81. McAllen-Edinburg-Pharr, TX	*Birch Telecom*; Grande Communications; McLeodUSA **CLECs: 2** **Operational Networks: 2** **On-Net Networks: 1**
82. Stockton, CA	MCI; Pac-West Telecomm; *Time Warner Telecom* **CLECs: 3** **Operational Networks: 2** **On-Net Networks: 1**
83. Scranton-Wilkes-Barre, PA	Choice One Communications; *XO* **CLECs: 2** **Operational Networks: 1** **On-Net Networks: 1**
84. Greenville, SC	*Birch Telecom*; *ITC^DeltaCom*; NewSouth Communications; NuVox Communications **CLECs: 4** **Operational Networks: 3** **On-Net Networks: 2**
85. Charleston-North Charleston, SC	*ITC^DeltaCom*; KMC Telecom; Knology Broadband; NewSouth Communications; US LEC **CLECs: 5** **Operational Networks: 5** **On-Net Networks: 1**
86. Colorado Springs, CO	ICG Communications; McLeodUSA; *SunWest Communications* **CLECs: 3** **Operational Networks: 3** **On-Net Networks: 1**
87. Harrisburg-Carlisle, PA	Cavalier Telephone; Choice One Communications; *XO* **CLECs: 3** **Operational Networks: 1** **On-Net Networks: 2**
88. Madison, WI	Choice One Communications; KMC Telecom; McLeodUSA **CLECs: 3** **Operational Networks: 3**
89. Augusta-Richmond County, GA	*Birch Telecom*; *ITC^DeltaCom*; KMC Telecom; Knology Broadband; *NewSouth Communications* **CLECs: 5** **Operational Networks: 2** **On-Net Networks: 3**
90. Jackson, MS	*ITC^DeltaCom*; MCI; *NewSouth Communications*; Xspedius **CLECs: 4** **Operational Networks: 2** **On-Net Networks: 2**
91. Portland-South Portland, ME	Choice One Communications; Conversent Communications; *CTC Communications Group*; Lightship Telecom; MCI **CLECs: 5** **Operational Networks: 4** **On-Net Networks: 1**

MSA	CLEC Networks – 2004
92. Lakeland-Winter Haven, FL	NewSouth Communications **CLECs: 1** **Operational Networks: 1**
93. Des Moines, IA	McLeodUSA **CLECs: 1** **Operational Networks: 1**
94. Chattanooga TN-GA	AT&T; *Birch Telecom*; *ITC^DeltaCom*; KMC Telecom; US LEC **CLECs: 5** **Operational Networks: 3** **On-Net Networks: 2**
95. Palm Bay-Melbourne-Titusville, FL	*Florida Digital Network*; *ITC^DeltaCom*; KMC Telecom **CLECs: 3** **Operational Networks: 1** **On-Net Networks: 5**
96. Lancaster, PA	*Cavalier Telephone*; *Choice One Communications*; XO **CLECs: 3** **Operational Networks: 2** **On-Net Networks: 1**
97. Boise City-Nampa, ID	McLeodUSA; Time Warner Telecom **CLECs: 2** **Operational Networks: 2**
98. Santa Rosa-Petaluma, CA	*ICG Communications* **CLECs: 1** **On-Net Networks: 1**
99. Lansing-East Lansing, MI	Choice One Communications; KMC Telecom; MCI **CLECs: 3** **Operational Networks: 3**
100. Modesto, CA	Not Available
101. Deltona-Daytona Beach-Ormond Beach, FL	*Florida Digital Network*; *ITC^DeltaCom*; KMC Telecom; *PaeTec*; *US LEC* **CLECs: 6** **Operational Networks: 1** **On-Net Networks: 6**
102. Ogden-Clearfield, UT	*McLeodUSA* **CLECs: 1** **On-Net Networks: 1**
103. Cape Coral-Fort Myers, FL	*ITC^DeltaCom*; KMC Telecom **CLECs: 2** **Operational Networks: 1** **On-Net Networks: 1**
104. Flint, MI	Not Available
105. Durham, NC	*Eagle Communications*; *ITC^DeltaCom*; MCI **CLECs: 3** **Operational Networks: 1** **On-Net Networks: 3**
106. Winston-Salem, NC	*ITC^DeltaCom*; KMC Telecom; NuVox Communications; Xspedius **CLECs: 4** **Operational Networks: 3** **On-Net Networks: 2**

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107. Spokane, WA	McLeodUSA; Time Warner Telecom; XO **CLECs: 3** **Operational Networks: 3**
108. Pensacola-Ferry Pass-Brent, FL	*ITC^DeltaCom*; KMC Telecom; *NewSouth Communications* **CLECs: 3** **On-Net Networks: 3**
109. Lexington-Fayette, KY	ICG Communications; NuVox Communications **CLECs: 2** **Operational Networks: 2**
110. Canton-Massillon, OH	*XO* **CLECs: 1** **On-Net Networks: 1**
111. Corpus Christi, TX	*Birch Telecom*; Grande Communications; ICG Communications; KMC Telecom; *McLeodUSA* **CLECs: 5** **Operational Networks: 3** **On-Net Networks: 3**
112. Salinas, CA	*Pac-West Telecomm* **CLECs: 1** **On-Net Networks: 1**
113. Mobile, AL	*Birch Telecom*; *ITC^DeltaCom*; NewSouth Communications; US LEC; Xspedius **CLECs: 5** **Operational Networks: 3** **On-Net Networks: 2**
114. Santa Barbara-Santa Maria-Goleta, CA	Cox Communications; ICG Communications; Time Warner Telecom **CLECs: 3** **Operational Networks: 3**
115. Vallejo-Fairfield, CA	Not Available
116. Fort Wayne, IN	Choice One Communications; KMC Telecom **CLECs: 2** **Operational Networks: 2**
117. Beaumont-Port Arthur, TX	*Birch Telecom*; Grande Communications; *ITC^DeltaCom* **CLECs: 3** **Operational Networks: 1** **On-Net Networks: 3**
118. York-Hanover, PA	Not Available
119. Manchester-Nashua, NH	Choice One Communications; Conversent Communications; *CTC Communications Group*; Lightship Telecom; MCI; *PaeTec* **CLECs: 6** **Operational Networks: 5** **On-Net Networks: 2**
120. Provo-Orem, UT	*XO* **CLECs: 1** **On-Net Networks: 1**
121. Davenport-Moline-Rock Island, IA-IL	McLeodUSA **CLECs: 1** **Operational Networks: 1**
122. Shreveport-Bossier City, LA	*ITC^DeltaCom*; KMC Telecom; Xspedius **CLECs: 3** **Operational Networks: 2** **On-Net Networks: 1**

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123. Reading, PA	*XO* **CLECs: 1** **On-Net Networks: 1**
124. Asheville, NC	*ITC^DeltaCom; NewSouth Communications; US LEC* **CLECs: 3** **On-Net Networks: 3**
125. Springfield, MO	Global Crossing; MCI; McLeodUSA; NuVox Communications **CLECs: 4** **Operational Networks: 4**
126. Visalia-Porterville, CA	Not Available
127. Peoria, IL	*McLeodUSA* **CLECs: 1** **On-Net Networks: 1**
128. Trenton-Ewing, NJ	*Cavalier Telephone* **CLECs: 1** **On-Net Networks: 2**
129. Salem, OR	AT&T; *Eschelon Telecom; Integra Telecom* **CLECs: 3** **Operational Networks: 1** **On-Net Networks: 2**
130. Fayetteville-Springdale-Rogers, AR-MO	*McLeodUSA* **CLECs: 1** **On-Net Networks: 1**
131. Montgomery, AL	*Birch Telecom*; ITC^DeltaCom; KMC Telecom; Knology Broadband; *NewSouth Communications; US LEC;* Xspedius **CLECs: 7** **Operational Newtorks: 4** **On-Net Networks: 3**
132. Reno-Sparks, NV	MCI **CLECs: 1** **Operational Networks: 1**
133. Evansville, IN-KY	AT&T; *Choice One Communications; McLeodUSA;* Sigecom-CLEC **CLECs: 4** **Operational Networks: 2** **On-Net Networks: 2**
134. Huntsville, AL	*ITC^DeltaCom;* KMC Telecom; Knology Broadband; *US LEC* **CLECs: 4** **Operational Networks: 2** **On-Net Networks: 2**
135. Hickory-Morganton-Lenoir, NC	*US LEC* **CLECs: 1** **On-Net Networks: 1**
136. Fayetteville, NC	*ITC^DeltaCom;* KMC Telecom; Time Warner Telecom **CLECs: 3** **Operational Networks: 2** **On-Net Networks: 1**
137. Brownsville-Harlingen, TX	*Birch Telecom;* Grande Communications **CLECs: 2** **Operational Networks: 1** **On-Net Networks: 2**

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138. Killeen-Temple-Fort Hood, TX	Not Available
139. Eugene-Springfield, OR	AT&T; *Eschelon Telecom*; *McLeodUSA*; RIO Communications **CLECs: 4** **Operational Networks: 2** **On-Net Networks: 2**
140. Ann Arbor, MI	Choice One Communications; KMC Telecom; *Mpower* **CLECs: 3** **Operational Networks: 2** **On-Net Networks 1**
141. Tallahassee, FL	*ITC^DeltaCom*; KMC Telecom **CLECs: 2** **Operational CLEC Networks: 1** **On-Net CLEC Networks: 2**
142. Rockford, IL	Choice One Communications; *McLeodUSA* **CLECs: 2** **Operational Networks: 1** **On-Net Networks: 1**
143. Anchorage, AK	General Communications **CLECs: 1** **Operational Networks: 1**
144. Port St. Lucie-Fort Pierce, FL	Cox Communications; *Florida Digital Networks* **CLECs: 2** **Operational Networks: 1** **On-Net Networks: 2**
145. South Bend-Mishawaka, IN-MI	Choice One Communications; *McLeodUSA* **CLECs: 2** **Operational Networks: 1** **On-Net Networks: 1**
146. Kalamazoo-Portage, MI	Choice One Communications **CLECs: 1** **Operational Networks: 1**
147. Charleston, WV	Not Available
148. Utica-Rome, NY	Not Available
149. Savannah, GA	*ITC^DeltaCom*; KMC Telecom; *NewSouth Communications* **CLECs: 3** **Operational Networks: 1** **On-Net Networks: 2**
150. Huntington-Ashland, WV-KY-OH	Not Available
Sources: See Source Appendix.	